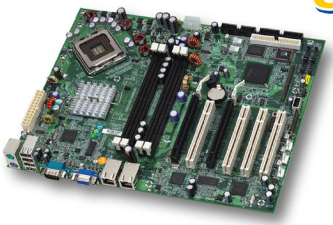
TYAN

Server Solutions



Tomcat i7230A

S5160

Intel Pentium 4 inside

Intel Pentium D inside

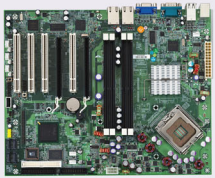
Next Generation P4 Server Platform

- Based on Intel® E7230 + ICH7/ICH7R chipset, support Intel® Pentium™-D processors
- (4) DDR2-667/533/400 unbuffered Memory
- FSB support for 1066/800/533MHz
- (4) DDR2-667 unbuffered Memory
  (2) PCI-E x16 slots (x4+x16 BW)
  (4)SATA-II Host RAID 0,1,5,10 capable(under Windows)
  (2) GbE Lan(BCM5721), 4 PCI
- XGI XG20 Gfx
- IPMI v2.0 Remote Management support (M3291 SMDC)
- ATX Form Factor(12" x 9.6")

(Specifications are subject to change without notice. Items pictured may only be representative.)

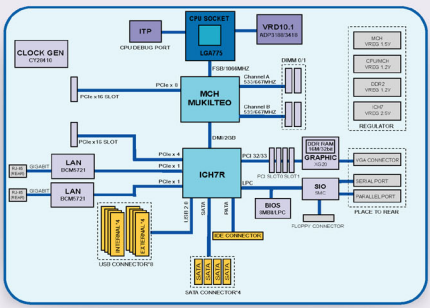
Tomcat i7230A

S5160



▲TOP View

Block Diagram



S P E C I F I C A T I O N S

Processors
- Single LGA775 socket
- Supports Intel® Prescott/Smithfield/Cedar Mill/Presler* processor
- 1066/800/533 MT/s FSB

Chipset
- Intel® E7230 (Mukilteo) MCH
- ICH7/ICH7-R South Bridge
- SMSC SCH5017 Super I/O chip

Memory
- Four 240-pin DDR2 DIMM sockets
- Supports ECC DIMMs
- Maximum of 8GB Unbuffered DDR2-533/667

Expansion Slots
- One (1) PCI Express x16 slot (w/ x8 signal) from Mukilteo MCH
- One (1) PCI Express x16 slot (w/ x4 signal) from ICH7/ICH7R
- Four (4) PCI 32-bit, 33MHz slots
- Six expansion slots total

Integrated I/O
- One 9-pin 16550 UART serial port
- One ECP/EPP/SPP parallel port (via header)
- Eight (8) USB 2.0 ports (four at rear, three headers via cable, one internal vertical USB connector)
- PS/2 mouse and keyboard connectors
- Standard/integrated SATA connectors
- Two RJ-45 10/100/1000 LAN ports

System Management
- CPU thermal & voltage monitor support
- 2-pin chassis intrusion header
- 4-pin fan monitoring header w/ PWM

Integrated SATA 2.0 Controller
- Four SATA2.0 ports from Intel ICH7/ICH7R
- Integrated Host RAID 0,1,5,10 capable (under Windows)

Integrated Video Controller
- XGI XG20
- PCI Interface
- 16MB DDR memory

Integrated LAN Controllers
- Two Broadcom® BCM5721 LAN controllers
  - PCIe x1 interface
  - 1000/100/10Mb/s speed
  - Two RJ-45 LAN connectors with LEDs
- Two front panel LED headers

Intelligent Platform Management Interface (Manufacturing Option)
- Renesas H8S2167/2168 Baseboard Management Controller (BMC)
- Tailored for IPMI 2.0 specification
- Supports remote Power on/off and reset support (IPMI-over-LAN)
- Server Management Daughter card via built-in 2x25 header

BIOS
- PhoenixBIOS® on 8Mbit Flash ROM
- Support APM 1.2, ACPI 1.0b
- Serial Console Redirect
- PXE via Ethernet, USB device boot
- PnP, DMI 2.0, WfM 2.0 Power Management
- User-configurable H/W monitoring
- Auto-configuration of hard disk types
- Watchdog timer (from Super I/O)
- Multiple boot options
- 48-bit LBA support
- Power management: S0, S1, S3, S4, S5

Form Factor
- ATX (12" x 9.6", 305mm x 244mm)
- EPS12V/SSI (24 + 8pin) power connectors
- Stacked PS/2 keyboard and mouse connectors
- USB 2.0 (four) rear connectors
- Serial (one) and VGA (one) connectors
- Two RJ-45 LAN connectors with LEDs

Regulatory
- FCC Class B (DoC)
- European Community CE (DoC)
- BSMI

OS Support
- Windows 2000 / 2003 / XP
- Redhat Linux 9, SuSE Linux

※Others D7230 Mukilteo board
- S5161: MCH + PXH + ICH7R chipset
- S5162: PXH + ICH7R chipset

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